

WHAT IS CLAIMED IS:

1. Apparatus for retaining concentric parts within one another and enabling limited axial movement therebetween, said
5 apparatus comprising:

an inner component having a shoulder disposed on an external perimeter thereof;

10 an outer tubular component having a wall, an open end for receiving said inner component and an inner surface for abutting the shoulder and enabling a sliding interface therebetween;

15 a retaining tab disposed in the wall proximate the open end, the tab having one end attached to the wall, a free end and a body disposed parallel to a longitudinal axis of the outer component, said tab having suitable thickness for enabling depression of said free end toward the wall; and

20 a slot formed in the wall beneath the tab, said slot having an end sized and disposed for enabling said free end to be forced therewith, by depression of the tab, in order to retain said free end inside the wall for engagement with said shoulder thus preventing separation of said inner component from said outer tubular component.

25 2. The apparatus according to claim 1 wherein said retaining tab extends downwardly from said open end with the free end disposed farther from said open end than said one end.

3. The apparatus according to claim 1 wherein said retaining tab extends upwardly toward said open end with the free end disposed closer to said open end than said one end.

5 4. The apparatus according to claim 2 wherein said free end has a tapered engagement surface for facilitating the free end to be forced past the slot end.

10 5. The apparatus according to claim 4 wherein the tab body is rectangular.

6. The apparatus according to claim 4 wherein said tab is molded with said wall.

15 7. The apparatus according to claim 2 wherein said shoulder comprises a ring surrounding said inner component.

8. The apparatus according to claim 7 wherein said ring is molded with said inner component.

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9. The apparatus according to claim 3 further comprises a tang molded into said free end for engaging the slot end.

25 10. The apparatus according to claim 9 wherein said free end includes an inside surface for engaging said shoulder.

11. The apparatus according to claim 10 wherein the tab body is rectangular.

12. The apparatus according to claim 9 wherein said tab is molded with said wall.

13. The apparatus according to claim 3 wherein said shoulder comprises a ring surrounding said inner component.

14. The apparatus according to claim 3 wherein said ring is molded with said inner component.

10 15. Apparatus for retaining concentric parts within one another and enabling limited axial movement therebetween, said apparatus comprising:

a syringe body having a shoulder comprising a ring molded with an external perimeter thereof;

15 a syringe sheath having a wall, an open end for receiving said syringe body and an inner surface for abutting the shoulder and enabling a sliding interface therebetween;

20 a retaining tab disposed in the wall proximate the open end, the tab having one end molded with the wall, a free end and a rectangular body disposed parallel to a longitudinal axis of the syringe sheath, said tab having suitable thickness for enabling depression of said free end toward the wall; and

25 a slot formed in the wall beneath the tab, said slot having an end sized and disposed for enabling said free end to be forced therepast, by depression of the tab, in order to retain said free end inside the wall for engagement with said shoulder thus preventing separation of said syringe body from said syringe sheath.

16. The apparatus according to claim 15 wherein said retaining tab extend downwardly from said open end with the free end is disposed farther from said open end than said use end.

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17. Apparatus for retaining concentric parts within one another and enabling limited axial movement therebetween, said apparatus comprising:

a syringe body having a shoulder comprising a ring
10 molded with an external perimeter thereof;

a syringe sheath having a wall, an open end for receiving said syringe body and an inner surface for abutting the shoulder and enabling a sliding interface therebetween;

15 a retaining tab disposed in the wall proximate the open end, the tab having one end molded with the wall, a free end and a rectangular body disposed parallel to a longitudinal axis of the syringe sheath, said tab having suitable thickness for enabling depression of said free end toward the wall, said free end including an inside surface for engaging said
20 shoulder;

25 a slot formed in the wall beneath the tab, said slot having an end sized and disposed for enabling said free end to be forced therewith, by depression of the tab, in order to retain said free end inside the wall for engagement with said shoulder thus preventing separation of said inner component from said outer tubular component; and

a tang molded into said free end for engaging the slot end.

2971

18. The apparatus according to claim 17 wherein said retaining tab extends upwardly toward said open end with the free end disposed closer to said open end than said one end.